

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	143	"3459189"   "3859998"   "4207870"   "4314555"   "4468224"   "4610659"   "4610671"   "4654031"   "4772264"   "4792326"   "4890612"   "5035701"   "5108421").PN. OR ("5282827").URFN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/30 08:25
L3	128	"3937733"   "4770183"   "4787391"   "5053046"   "5074840"   "5108421"   "5120527"   "5128121"   "5376376").PN. OR ("5441517").URFN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/30 08:31
L4	270	"1596004"   "1731069"   "1983669"   "2790442"   "2808833"   "3176114"   "3301258"   "3302635"   "3494364"   "3532095"   "3613682"   "3636943"   "3699967"   "3794040"   "3801800"   "3858586"   "3874388"   "3886944"   "3920021"   "3929137"   "3938527"   "3963030"   "3978863"   "3980085"   "4003380"   "4007743"   "4011872"   "4016881"   "4043342"   "4051855"   "4054143"   "4122853"   "4168708"   "4198957"   "4230119"   "4269174"   "4271847"   "4273127"   "4314555"   "4353371"   "4359052"   "4370980"   "4390018"   "4404971"   "4411266"   "4418692"   "4424833"   "4470415"   "4476862"   "4483338"   "4492231"   "4498475"   "4520823"   "4522205"   "4539987"   "4548207"   "4625724"   "4637392"   "4645491"   "4671274"   "4672969"   "4708136"   "4716897"   "4717381"	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/30 08:32

"4735201" | "4744359" |  
"4744364" | "4760847" |  
"4765331" | "4776349" |  
"4790819" | "4801293" |  
"4832688" | "4834725" |  
"4836204" | "4848339" |  
"4850960" | "4852568" |  
"4854320" | "4860745" |  
"4890612" | "4900303" |  
"4917089" | "4921478" |  
"4929246" | "4938761" |  
"4943290" | "4946463" |  
"4953559" | "4960133" |  
"4961729" | "4979948" |  
"4994060" | "5002051" |  
"5009656" | "5013312" |  
"5021059" | "5035695" |  
"5047028" | "5049148" |  
"5053046" | "5057105" |  
"5061267" | "5061274" |  
"5078743" | "5080660" |  
"5085659" | "5108392" |  
"5108420" | "5108421" |  
"5116332" | "5122137" |  
"5129882" | "5131394" |  
"5133714" | "5141515" |  
"5147316" | "5147357" |  
"5151098" | "5151102" |  
"5156613" | "5158561" |  
"5159925" | "5188634" |  
"5190541").PN. OR  
("5192300" | "5207675" |  
"5217024" | "5217458" |  
"5217459" | "5217460" |  
"5221259" | "5221281" |  
"5222974" | "5226908" |  
"5230349" | "5257635" |  
"5258006" | "5269780" |  
"5275616" | "5281216" |  
"5282799" | "5282827" |  
"5290310" | "5292332" |  
"5304117" | "5306254" |  
"5320639" | "5324306" |  
"5415657" | "Re33925").  
PN. OR ("5507744").  
URPN.

L5	119	("0312408"   "0659422"   "2646045"   "2959172"   "3470875"   "3665926"   "3939820"   "4161951"   "4235177"   "4317445"   "4493323"   "4553543"   "4587969"   "4629450"   "4744364"   "4852568"   "4890612"   "4929246"   "5021059"   "5059201"   "5061274"   "5109780"   "5160339"   "5171251"   "5192302"   "5222974"   "5304184"   "5306254"   "5374275"   "5387221"   "5411481").PN. OR ("5613974").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/30 08:34
L6	123	("3459189"   "3859998"   "3874388"   "3937733"   "4007743"   "4154226"   "4207870"   "4314555"   "4317445"   "4468224"   "4525157"   "4610659"   "4610671"   "4650488"   "4654031"   "4655750"   "4744091"   "4744364"   "4770183"   "4772264"   "4787391"   "4792326"   "4852568"   "4863431"   "4890612"   "4904240"   "4961729"   "5021059"   "5035701"   "5053046"   "5074840"   "5108421"   "5120527"   "5128121"   "5254133"   "5269809"   "5350399"   "5376376"). PN. OR ("5676689"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/30 08:37
L7	30	("4744364"   "5053046"   "5254133"   "5258015"   "5269809"   "5350399"). PN. OR ("5707393"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/30 08:39

L8	31	"4417886"   "4493707"   "4808156"   "4857062"   "4968307"   "5011478"   "5025778"   "5066285"   "5067497"   "5078701"   "5104389"   "5106368"   "5149330"   "5167623"   "5195962"   "5209741"   "5215527"   "5219335"   "5221256"   "5236424"   "5242410"   "5250038"   "5328480"   "5342295"   PN. OR ("5800384"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/30 08:42
L9	38	"3874388"   "4235238"   "4493323"   "4519392"   "4602635"   "4669473"   "4705040"   "4741330"   "4744364"   "4749689"   "4750492"   "4890612"   "5037433"   "5041129"   "5053046"   "5108420"   "5176691"   "5236445"   "5269809"   "5364407"   PN. OR ("5861004"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/30 08:48
L10	52	"4890612"   "5350399"   "5451235"). PN. OR ("5935147"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/30 08:49
L11	115	"1794221"   "2386590"   "2931353"   "3459189"   "3570489"   "3675639"   "3800792"   "3859998"   "3874388"   "4007743"   "4031569"   "4154226"   "4207870"   "4235238"   "4314555"   "4317445"   "4468224"   "4493323"   "4519392"   "4525157"   "4587969"   "4602635"   "4610659"   "4610671"   "4650488"   "4654031"   "4655750"   "4669473"   "4705040"   "4741330"   "4744091"   "4744364"   "4749689"   "4750492"   "4772264"   "4774091"   "4787391"   "4792326"   "4852568"   "4863431"   "4890612"   "4904240"   "4950283"   "4961729"   "5021059"   "5035701"   "5037433"   "5041129"   "5053046"   "5074840"	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/30 08:51

		"5108420"   "5108421"   "5176691"   "5236445"   "5254133"   "5258015"   "5269809"   "5350399"   "5376376"   "5810810"). PN. OR ("6007563"). URPN.				
L12	15	("3675639"   "3874388"   "4543086"   "4669473"   "4738658"   "4744364"   "4852568"   "4890612"   "5222974"   "5269809"   "5861004"). PN. OR ("6045569"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/30 08:52
L13	82	("3459189"   "3859998"   "3874388"   "3937733"   "4007743"   "4052989"   "4108175"   "4154226"   "4207870"   "4314555"   "4317445"   "4468224"   "4487605"   "4525157"   "4610659"   "4610671"   "4650488"   "4652256"   "4654031"   "4655750"   "4710173"   "4744364"   "4770183"   "4772264"   "4774091"   "4787391"   "4792326"   "4852568"   "4863431"   "4890612"   "4894052"   "4904240"   "4961729"   "5021059"   "5030207"   "5035701"   "5053046"   "5074840"   "5108421"   "5120319"   "5120527"   "5128121"   "5254133"   "5269809"   "5314410"   "5350399"   "5376376"   "5480388"). PN. OR ("6090130"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/30 08:53
L14	9	("4744364"   "4852568"   "4890612"). PN. OR ("6179863"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/30 08:55
L16	1	(09/741695).APP.	USPAT; USOCR	OR	ON	2009/09/30 09:03

L17	35	("4000739"   "4411655"   "4798591"   "4857062"   "4995865"   "5066285"   "5114408"   "5250036"   "5279551"   "5336205"   "5405329"   "5417705"   "5505710"   "5649911"   "5672158"   "6200260"   "6228052"   "6245045"). PN. OR ("6488662"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/30 09:03
L19	1	(10/308235).APP.	USPAT; USOCR	OR	ON	2009/09/30 09:23
L20	36	("20020111577"   "20020188166"   "20020188167"   "20030069468"   "4000739"   "4385631"   "4411655"   "4447236"   "4798591"   "4857062"   "4995865"   "5011469"   "5066285"   "5114408"   "5250036"   "5279551"   "5336205"   "5405329"   "5417705"   "5505710"   "5649911"   "5672158"   "6200260"   "6228052"   "6245045"   "6299575"   "6387037"   "6390969"   "6428464"   "6488662"   "6610004"   "6685621"). PN. OR ("6905481"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/30 09:23
L21	1	(10/329173).APP.	USPAT; USOCR	OR	ON	2009/09/30 09:24
L22	43	("20040171988"   "3565074"   "4417886"   "4525157"   "4581019"   "4629450"   "4655750"   "4772264"   "4894052"   "4961729"   "4978334"   "4995866"   "5098392"   "5114401"   "5158544"   "5171218"   "5242410"   "5295970"   "5312355"   "5330433"   "5366441"   "5380290"   "5391178"   "5512052"   "5676689"   "5704914"   "5728132"   "5885217"   "5919160"   "6074377"   "6120494"   "6159179"   "6179813"   "6210366"   "6436070"   "6461362"   "6524277"	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/30 09:24

		"6641564"   "6692462"). PN. OR ("7025746"). URPN.				
L24	6	((("6193610") or ("5725496") or ("6179863") or ("5807326") or ("6033427") or ("5522399")).PN.	US-PGPUB; USPAT	OR	OFF	2009/09/30 10:18
L28	60	("2568566"   "4441497"   "4469101"   "4648871"   "4836205"   "4932962"   "4950285"   "4990153"   "5029580"   "5037433"   "5053047"   "5074874"   "5104394"   "5123913"   "5222976"   "5234445"   "5234447"   "5250053"   "5279311"   "5281237"   "5282809"   "5320629"   "5330491"   "5334198"   "5342374"   "5364407"   "5364408"   "5370610"   "5374275"   "5391173"   "5403333"   "5405354"   "5417699"   "5423833"   "5439467"   "5460613"   "5462561"   "5462562"   "5468251"   "5490503"   "5496335"   "5501690"   "5507758"   "5522821"   "5544664"   "5545170"   "5554162"   "5569269"   "5569271"   "5571119"   "5573540"   "5618290"   "5695504"   "5709335"   "5713849"   "5715815"   "6001078"   "6428498"). PN. OR ("6989016"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/30 10:29
L29	1148	(sheath or sleeve or tube) same (dilat\$4) same (indicat\$4 or depth\$3 or locat\$4 or (over near2 insert\$4)) same (hole or opening or port or inlet or outlet or indicator) and (medical or surgical or surgery or vessel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/09/30 10:34
L30	820	(L3 or L2 or L4 or L5 or L6 or L7 or L8 or L9 or L10 or L11 or L12 or L14 or L13 or L17 or L20 or L22 or L28) NOT L29	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/30 10:34

L31	1	(10/422614).APP.	US-PGPUB; USPAT	OR	OFF	2009/09/30 10:55
L32	29	("20040204654"   "20050004513"   "3459189"   "4202332"   "4317445"   "4317445"   "4365630"   "5030207"   "5108421"   "5163904"   "5192300"   "5275616"   "5306254"   "5306254"   "5478352"   "5486159"   "5522399"   "5542936"   "5591205"   "5601602"   "5643318"   "5676689"   "5716375"   "6033427"   "6033427"   "6302898"   "6350274"   "6682489"   "7025748"   "7144411"   "7201725"   "RE31873"). PN.	US-PGPUB; USPAT	OR	ON	2009/09/30 10:57
L33	1	("5306254").PN.	US-PGPUB; USPAT	OR	OFF	2009/09/30 11:02
L34	16	((("1262149") or ("1262147")).PN.	EPO; JPO; DERWENT	OR	OFF	2009/09/30 11:02
L35	1	("7201725").PN.	US-PGPUB; USPAT	OR	OFF	2009/09/30 13:15
L36	141	("0581235"   "1578517"   "2086580"   "2465357"   "2492458"   "2507244"   "2558395"   "2597011"   "2680442"   "2761446"   "2814294"   "2824092"   "2899362"   "3157524"   "3724465"   "4000741"   "4211323"   "4218155"   "4238480"   "4292972"   "4323072"   "4340066"   "4390018"   "4404970"   "4515637"   "4573576"   "4587969"   "4588395"   "4619261"   "4619913"   "4645488"   "4708718"   "4744364"   "4790819"   "4829994"   "4850960"   "4852568"   "4869143"   "4890612"   "4900303"   "4929246"   "4936835"   "4950234"   "5007895"   "5021059"   "5053046"   "5061274"   "5080655"   "5108421"   "5163904"   "5167624"   "5192300"   "5192301"   "5195988"	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/30 13:17



		"5220926"   "5221259"   "5242683"   "5275616"   "5282827"   "5310407"   "5322515"   "5325857"   "5334216"   "5366480"   "5370656"   "5383896"   "5383899"   "5385550"   "5388588"   "5391183"   "5395353"   "5417699"   "5419765"   "5431639"   "5437292"   "5437631"   "5443481"   "5467780"   "5478352"   "5479936"   "5486195"   "5490736"   "5507279"   "5522840"   "5522850"   "5526822"   "5527332"   "5529577"   "5540715"   "5542914"   "5545178"   "5558853"   "5591204"   "5591205"   "5601602"   "5601603"   "5645566"   "5649547"   "5653730"   "5665107"   "5676689"   "5681279"   "5716375"   "5725498"   "5741223"   "5769086"   "5775333"   "5782861"   "5800389"   "5810806"   "5830130"   "5858008"   "5868762"   "5902310"   "5984950"   "6007563"   "6027471"   "6027482"   "6063085"   "6071300"   "6071301"   "6086607"   "6161034"   "6162192"   "6183497"). PN. OR ("6200328"   "6315753"). PN. OR ("7201725"). URPN.				
L37	1	("6767356"). PN.	US-PGPUB; USPAT	OR	OFF	2009/09/30 13:24
L38	1	("6626918"). PN.	US-PGPUB; USPAT	OR	OFF	2009/09/30 13:46
L39	1	("5676689"). PN.	US-PGPUB; USPAT	OR	OFF	2009/09/30 13:48
L43	4	((("6989016") or ("6033427") or ("20020077600") or ("20030153874")). PN.	US-PGPUB; USPAT	OR	OFF	2009/09/30 16:26
L44	4	((("7201725") or ("5800384") or ("5156596") or ("20030225392")). PN.	US-PGPUB; USPAT	OR	OFF	2009/09/30 16:27

S1	1	("20050107820").PN.	US-PGPUB; USPAT	OR	OFF	2009/04/16 14:51
S2	5	((("6193670") or ("5725496") or ("6179863") or ("6547803") or ("5807326"))).PN.	US-PGPUB; USPAT	OR	OFF	2009/04/16 14:53
S3	33	((ANDREW) near2 (FORSEBERG)).INV.	US-PGPUB; USPAT	OR	OFF	2009/04/16 14:54
S4	7	((LORAN) near2 (PAPROCK)).INV.	US-PGPUB; USPAT	OR	OFF	2009/04/16 14:54
S5	2310	(606/194).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/04/16 14:54
S6	38	("20020151921"   "20040073255"   "5306254"   "5522399"   "5613974"   "5643318"   "5662681"   "5676689"   "5707393"   "5725496"   "5807326"   "5853421"   "5855559"   "5861804"   "5902311"   "5935147"   "6007563"   "6048358"   "6071300"   "6090130"   "6179863"   "6179863"   "6193670"   "6193670"   "6197042"   "6206895"   "6231561"   "6425080"   "6425924"   "6508828"   "6547803"   "6547806"   "6569185"   "6596012"   "6596014"   "6626918"   "6682489"   "6712837"   "6860895"   "7025748").PN.	US-PGPUB; USPAT	OR	OFF	2009/04/16 14:54
S7	1	("6179863").PN.	US-PGPUB; USPAT	OR	OFF	2009/04/16 15:28
S8	9	("4744364"   "4852568"   "4890612").PN. OR ("6179863").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/16 15:28
S9	1	("6626918").PN.	US-PGPUB; USPAT	OR	OFF	2009/04/16 15:29

S10	33	"1596004"   "4162673"   "4215699"   "4961729"   "5192302"   "5217024"   "5222974"   "5226908"   "5304184"   "5383896"   "5413571"   "5419777"   "5431639"   "5437631"   "5507744"   "5674231"   "5830125"   "6033427"   "6117125"   "6197042"   "6383208"   "6391048"   "6461364").PN. OR ("6626918").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/16 15:29
S11	38	"4317445"   "5279593"   "5282827"   "5290310"   "5292332"   "5295970"   "5306254"   "5411520"   "5431639"   "5437631"   "5441517"   "5443481"   "5486193"   "5613974"   "5643318"   "5645566"   "5662681"   "5676689"   "5707393"   "5728132"   "5735727"   "5766206"   "5810810"   "5814065"   "5855559"   "5861004"   "5868778"   "5935147"   "6007563"   "6022372"   "6033401"   "6045569"   "6090130"   "6162192"   "6179863"   "6193670"   "6231561"   "6682489"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/16 15:54
S12	101	(S2 or S6 or S8 or S10 or S11)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/16 15:59
S13	29	("20010049499"   "20020087152"   "20030050604"   "20040059296"   "4230123"   "4306562"   "4581025"   "4596559"   "4629450"   "4772266"   "4862891"   "5098392"   "5098393"   "5125904"   "5167634"   "5250033"   "5312355"   "5441504"   "5472426"   "5755693"   "5782807"   "5971958"   "6589262"   "6641564"   "6702828"   "6712791"   "6966896"   "7090680"   "RE31855").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/16 16:07

S15	136	("3459189"   "3859998"   "4207870"   "4314555"   "4468224"   "4610659"   "4610671"   "4654031"   "4772264"   "4792326"   "4890612"   "5035701"   "5108421"). PN. OR ("5282827"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/16 16:14
S16	117	S15 NOT (S12 or S13)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/16 16:14
S17	77	("4525157"   "4655750"   "4772264"   "4863431"   "4904240"   "4961729"). PN. OR ("5306254"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/16 16:16
S18	244	("0581235"   "0682090"   "1191736"   "1794221"   "1879249"   "2396351"   "2603217"   "2691373"   "2814296"   "2898913"   "2934068"   "3056408"   "3106483"   "3106484"   "3358684"   "3396727"   "3447533"   "3500828"   "3516403"   "3530860"   "3605750"   "3675639"   "3706311"   "3736939"   "3739778"   "3833003"   "3858571"   "3874388"   "3888258"   "3941127"   "3991756"   "4007743"   "4020835"   "4030504"   "4114618"   "4154226"   "4180068"   "4182339"   "4230117"   "4306563"   "4317445"   "4356610"   "4361151"   "4390018"   "4396021"   "4404033"   "4424833"   "4488877"   "4564361"   "4577631"   "4582181"   "4587969"   "4588395"   "4610248"   "4619261"   "4645488"   "4650488"   "4655211"   "4669474"   "4705040"   "4708147"   "4710181"   "4710192"   "4744364"   "4774091"   "4790819"   "4804365"   "4827940"   "4829994"   "4832688"   "4836204"   "4838280"   "4852568"   "4863441"   "4871094"   "4890612"   "4895564"   "4900303"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/16 16:18

		"4929246"   "4936835"   "4958625"   "4976726"   "5021059"   "5041124"   "5042984"   "5053046"   "5061274"   "5061281"   "5062829"   "5080655"   "5097842"   "5108420"   "5108421"   "5120299"   "5129882"   "5147315"   "5167638"   "5171218"   "5178611"   "5185001"   "5186711"   "5192300"   "5192301"   "5192302"   "5195988"   "5219895"   "5221259"   "5222939"   "5222974"   "5254097"   "5254105"   "5263969"   "5275616"   "5282827"   "5290310"   "5292309"   "5292332"   "5306254"   "5306294"   "5310407"   "5312435"   "5320639"   "5324306"   "5326350"   "5330445").PN. OR ("5334216"   "5342393"   "5354271").PN. OR ("5431639").URPN.				
S19	120	("3937733"   "4770183"   "4787391"   "5053046"   "5074840"   "5108421"   "5120527"   "5128121"   "5376376").PN. OR ("5441517").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/16 16:19
S20	111	("0312408"   "0659422"   "2646045"   "2959172"   "3470875"   "3665926"   "3939820"   "4161951"   "4235177"   "4317445"   "4493323"   "4553543"   "4587969"   "4629450"   "4744364"   "4852568"   "4890612"   "4929246"   "5021059"   "5059201"   "5061274"   "5109780"   "5160339"   "5171251"   "5192302"   "5222974"   "5304184"   "5306254"   "5374275"   "5387221"   "5411481").PN. OR ("5613974").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/16 16:21

S21	119	"3459189"   "3859998"   "3874388"   "3937733"   "4007743"   "4154226"   "4207870"   "4314555"   "4317445"   "4468224"   "4525157"   "4610659"   "4610671"   "4650488"   "4654031"   "4655750"   "4744091"   "4744364"   "4770183"   "4772264"   "4787391"   "4792326"   "4852568"   "4863431"   "4890612"   "4904240"   "4961729"   "5021059"   "5035701"   "5053046"   "5074840"   "5108421"   "5120527"   "5128121"   "5254133"   "5269809"   "5350399"   "5376376"). PN. OR ("5676689"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/16 16:22
S22	30	"4744364"   "5053046"   "5254133"   "5258015"   "5269809"   "5350399"). PN. OR ("5707393"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/16 16:23
S23	53	"4874368"   "5219328"   "5222974"   "5282827"   "5292332"   "5312435"   "5318524"   "5441517"   "5486195"   "5549633"   "5662681"   "5676689"   "5681334"   "5700277"   "5707393"   "5728114"   "5741223"   "5810885"   "5830130"   "5906631"   "5928266"   "5941897"   "5948425"). PN. OR ("6033427"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/16 16:24
S25	36	"3874388"   "4235238"   "4493323"   "4519392"   "4602635"   "4669473"   "4705040"   "4741330"   "4744364"   "4749689"   "4750492"   "4890612"   "5037433"   "5041129"   "5053046"   "5108420"   "5176691"   "5236445"   "5269809"   "5364407"). PN. OR ("5861004"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/16 16:33

S26	47	("4890612"   "5350399"   "5451235").PN. OR ("5935147").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/16 16:34
S27	115	("1794221"   "2386590"   "2931353"   "3459189"   "3570489"   "3675639"   "3800792"   "3859998"   "3874388"   "4007743"   "4031569"   "4154226"   "4207870"   "4235238"   "4314555"   "4317445"   "4468224"   "4493323"   "4519392"   "4525157"   "4587969"   "4602635"   "4610659"   "4610671"   "4650488"   "4654031"   "4655750"   "4669473"   "4705040"   "4741330"   "4744091"   "4744364"   "4749689"   "4750492"   "4772264"   "4774091"   "4787391"   "4792326"   "4852568"   "4863431"   "4890612"   "4904240"   "4950283"   "4961729"   "5021059"   "5035701"   "5037433"   "5041129"   "5053046"   "5074840"   "5108420"   "5108421"   "5176691"   "5236445"   "5254133"   "5258015"   "5269809"   "5350399"   "5376376"   "5810810").PN. OR ("6007563").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/16 16:35
S28	87	("4424833"   "4555242"   "4738658"   "4744364"   "4838280"   "4852568"   "4874368"   "4890612"   "4891359"   "5002051"   "5021059"   "5041129"   "5042985"   "5053046"   "5061274"   "5108421"   "5129882"   "5156613"   "5159937"   "5163906"   "5171222"   "5192300"   "5197971"   "5221259"   "5222974"   "5250025"   "5275616"   "5281197"   "5282827"   "5290310"   "5292309"   "5292332"   "5306254"   "5324306"   "5330518"   "5344435"   "5383896"   "5411520"   "5413571"   "5415657").	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/16 16:36

		"5419765"   "5437292"   "5441517"   "5447502"   "5486195"   "5496332"   "5507744"   "5571216"   "5575815"   "5591204"   "5591205"   "5601602"   "5612050"   "5626601"   "5630833"   "5649959"   "5653730"   "5665106"   "5665107"   "5669934"   "5676689"   "5700273"   "5725498"   "5725551"   "5728132"   "5814066"). PN. OR ("6033401"). URPN.				
S30	15	("3675639"   "3874388"   "4543086"   "4669473"   "4738658"   "4744364"   "4852568"   "4890612"   "5222974"   "5269809"   "5861004").PN. OR ("6045569").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/16 16:47
S31	82	("3459189"   "3859998"   "3874388"   "3937733"   "4007743"   "4052989"   "4108175"   "4154226"   "4207870"   "4314555"   "4317445"   "4468224"   "4487605"   "4525157"   "4610659"   "4610671"   "4650488"   "4652256"   "4654031"   "4655750"   "4710173"   "4744364"   "4770183"   "4772264"   "4774091"   "4787391"   "4792326"   "4852568"   "4863431"   "4890612"   "4894052"   "4904240"   "4961729"   "5021059"   "5030207"   "5035701"   "5053046"   "5074840"   "5108421"   "5120319"   "5120527"   "5128121"   "5254133"   "5269809"   "5314410"   "5350399"   "5376376"   "5480388"). PN. OR ("6090130"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/16 16:49
S32	18	vessel same (puncture same depth same locator)	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/16 16:50
S34	1	("20040215232").PN.	US-PGPUB; USPAT	OR	OFF	2009/04/16 16:57



S36	29	("20040204654"   "20050004513"   "3459189"   "4202332"   "4317445"   "4317445"   "4365630"   "5030207"   "5108421"   "5163904"   "5192300"   "5275616"   "5306254"   "5306254"   "5478352"   "5486159"   "5522399"   "5542936"   "5591205"   "5601602"   "5643318"   "5676689"   "5716375"   "6033427"   "6033427"   "6302898"   "6350274"   "6682489"   "7025748"   "7144411"   "7201725"   "RE31873"). PN.	US-PGPUB; USPAT	OR	OFF	2009/04/16 16:58
S37	77	("4525157"   "4655750"   "4772264"   "4863431"   "4904240"   "4961729"). PN. OR ("5306254"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/16 17:00
S38	116	("2936761"   "3359974"   "3394705"   "3437088"   "3593713"   "3726281"   "3794026"   "3995623"   "4004588"   "4016897"   "4057065"   "4072146"   "4100246"   "4168703"   "4180068"   "4180076"   "4217895"   "4257416"   "4403985"   "4406656"   "4484585"   "4543087"   "4583968"   "4701159"   "4753640"   "4776844"   "4790813"   "4795439"   "4894057"   "4895561"   "4968307"   "4995865"   "5190520"   "5221255"   "Re31873").PN. OR ("5486159").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/16 17:03

S39	54	("3196873"   "4390018"   "4744364"   "4774091"   "4790819"   "4838280"   "4852568"   "4890612"   "4929246"   "4936835"   "5021059"   "5053046"   "5061274"   "5080655"   "5108421"   "5192300"   "5192302"   "5195988"   "5221259"   "5222974"   "5254105"   "5275616"   "5282827"   "5290310"   "5292309"   "5292332"   "5306254"   "5310407"   "5312435"   "5320639"   "5334216"   "5370660"   "5411520"   "5415657"   "5431639"   "5437292"   "5437631").PN. OR ("5643318").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/16 17:08
S40	1	("6033427").PN.	US-PGPUB; USPAT	OR	OFF	2009/04/16 17:13
S43	748	(S16 or S17 or S18 or S19 or S20 or S21 or S23 or S25 or S26 or S27 or S28 or S31 or S37 or S38 or S39) NOT (S2 or S6 or S8 or S10 or S11 or S12 or S22 or S30 or S32 or S36)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/16 18:08
S45	155	(dilat\$4 or obturat\$4) same (hole or open or opening or recess\$4 or aperature or port) same (penetrat\$4 or depth) same (blood or fluid) same vessel	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/16 18:11
S77	1	("4317445").PN.	US-PGPUB; USPAT	OR	OFF	2009/04/16 18:57
S78	95	("3097646"   "3219036"   "3459188"   "3500828"   "3515137"   "3529633"   "3547119"   "3680562"   "3860006"   "3875938"   "3938530"   "4016879"   "4020835"   "4046144"   "4073297"   "4180068"   "4193399").PN. OR ("4317445").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/16 18:57
S80	3670	(sheath or sleeve or tube) same (dilat\$4) same (indicat\$4 or depth\$3 or locat\$4 or (over near2 insert\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/09/30 02:28

S81	1485	(sheath or sleeve or tube) same (dilat\$4) same (indicat\$4 or depth\$3 or locat\$4 or (over near2 insert\$4)) same (hole or opening or port or inlet or outlet or indicator)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/09/30 02:29
S82	1148	(sheath or sleeve or tube) same (dilat\$4) same (indicat\$4 or depth\$3 or locat\$4 or (over near2 insert\$4)) same (hole or opening or port or inlet or outlet or indicator) and (medical or surgical or surgery or vessel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/09/30 02:29

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